

# Comparisons of Job Characteristics

**Focus Occupation:** [Mine Cutting and Channeling Machine Operators \(47-5042\)](#)

**Associated Occupation:** [Continuous Mining Machine Operators \(47-5041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

**Focus Occupation:** Mine Cutting and Channeling Machine Operators (47-5042)

**Associated Occupation:** Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	18.0	12.2	<<	Extensive education and/or training may be required
Production and Processing	6.0	15.2	4.3	<<	Extensive education and/or training may be required
Transportation	4.6	12.7	5.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	11.8	6.2	<<	Extensive education and/or training may be required
Law and Government	5.9	11.4	6.1	<<	Extensive education and/or training may be required
Physics	4.3	9.5	5.3	<<	Extensive education and/or training may be required
Geography	3.9	9.3	1.8	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	3.2	<<	Extensive education and/or training may be required
Telecommunications	3.9	7.8	2.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

**Focus Occupation:** Mine Cutting and Channeling Machine Operators (47-5042)

**Associated Occupation:** Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
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Operation and Control	5.4	13.3	10.0	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	13.2	11.5	<	A higher skill level may be required
Equipment Maintenance	3.5	10.1	7.7	<<	Extensive development of skills in this area may be required
Repairing	3.4	9.6	7.7	<	A higher skill level may be required
Troubleshooting	4.5	8.9	7.5	<	A higher skill level may be required
Equipment Selection	3.3	5.6	7.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042) Associated Occupation: Continuous Mining Machine Operators (47-5041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.6	13.5	0	Current ability level may be sufficient
Multilimb Coordination	6.0	13.2	12.2	0	Current ability level may be sufficient
Reaction Time	4.8	13.2	12.1	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	12.0	10.3	<	Some improvement in abilities may be required
Depth Perception	5.3	11.5	11.4	0	Current ability level may be sufficient
Auditory Attention	5.9	11.3	9.2	<	Some improvement in abilities may be required
Rate Control	3.8	11.2	9.0	<	Some improvement in abilities may be required
Response Orientation	4.0	11.2	9.6	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	7.2	6.9	0	Current ability level may be sufficient
Night Vision	2.1	7.2	4.9	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.2	6.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 98
Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042) Associated Occupation: Continuous Mining Machine Operators (47-5041)		
Work Activities		Exclusivity of Activity
Maintain or repair mining machinery/equipment		99
Operate mining equipment or machinery		89

Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)**  
**Associated Occupation: Continuous Mining Machine Operators (47-5041)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.